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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

### Division of Oil, Gas & Mining

MICHAEL R. STYLER  
Executive Director

JOHN R. BAZA  
Division Director

### Inspection Report Minerals Regulatory Program

Report Date June 7, 2006

Supervisor

*[Signature]*

**Mine Name:** Cameron #1  
**Operator Name:** Temple Mountain Energy

**Permit number:** M0470036  
**Inspection Date:** March 21, 2006  
**Time:** 2:10-3:30 PM

**Inspector(s):** Paul Baker  
**Other Participants:** Bob Jones  
**Mine Status:** Active

**Weather:** Cloudy, 40s

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### Purpose of Inspection:

This site has been periodically active over the last several years, but the new operator intends to commence more consistent mining and processing operations. I wanted to see what changes the new operator has made, and I also wanted to look at the area that was regraded and seeded last fall

#### Inspection Summary:

##### 1. Permits, Revisions, Transfer, Bonds

The Division is in the process of reviewing a Notice of Intention to Commence Large Mining Operations for this site. A permit transfer was completed and a reclamation surety approved on March 8, 2006, transferring the mine from Asphalt Ridge, Inc., to Temple Mountain Energy.

##### 3. Protection of Drainages / Erosion Control

There is a perennial stream running next to the pit. There is some water that collects in the pit and flows through a small cut channel into this stream. The previous operator had anchored straw bales in this channel, and the current operator did the same. The bales have been mostly ripped apart, probably by cattle or possibly by wildlife.

The water that gathers in the pit bottom appears to be mostly ground water but probably also includes meteoric water.

##### 10. Revegetation

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We looked at the area that was graded and seeded last fall (Photo 3), and I was able to find some seeds. I could not see any seedlings, but it is still early in the season (especially this year).

12. Other

The operator has staked an area of about 4.6 acres within which operations are to be confined until an expansion is proposed and approved. This 4.6-acre area includes the area that was graded and seeded last fall.

Equipment on site includes a small conveyor, a small screen, and about five plastic tanks. Two of these tanks are in a storage container, and one of these contains a solvent. I do not know what the solvent is, but it smells like it might be citrus based.

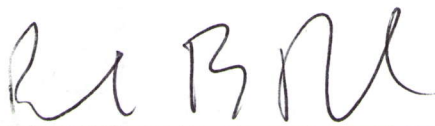
The operator intends to experiment with different mining methods and started with a rotomill. This left windrows of tar sand in the bottom of the pit (Photo 2).

**Conclusions and Recommendations:**

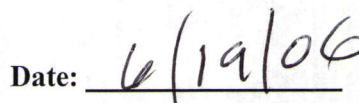
There is currently little or no sediment entering the perennial stream from the mine, but the operator needs to find a way to keep pollutants from getting into the stream, especially if the operation is expanded. Options could include treating the water with a catch basin, sediment pond, or a silt fence.

The reclaimed area should be monitored to ensure vegetation grows. If not, it may be necessary to reseed.

Inspector's Signature



Date:



PBB:pb

cc: Jim Runquist, Temple Mountain Energy  
Attachment: Photos



## ATTACHMENT

### Photographs

M0470036, Cameron #1 Mine, Temple Mountain Energy  
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Photo 1. Upper reaches of the stream that flows through the site.



Photo 3. The area that was seeded in the fall of 2005.



Photo 2. The mine pit with windrows of asphalt. The water could be ground water, meteoric water, or it could be overflow from adjacent streams.



Photo 4. Overview showing the pit (left), and area where the facilities are located.



**From:** Paul Baker  
**To:** Berry, Penny  
**Date:** 6/12/2006 12:29:10 PM  
**Subject:** Cameron Inspection Report

Would you please finalize a report for this site? The report's in the draft folder, and the mine is in Uintah county.